

ENERGY CONSERVATION MEASURES

- Replace all incandescent bulb / regular old tube light to latest energy conserving LED lights.
- Signages at appropriate place (on switch boards) as part of the 'Energy Awareness Campaign' to remind everyone to conserve energy by turning off the lights.
- Small pamphlets emphasizing the importance of energy saving and circulate amongst staff and students.
- Install Solar water heaters, Air source Water for water heating at colleges, hostels, and Guest houses.
- Encourage natural aeration and lighting
- Encourage use of alternative energy generating mechanism like SRTP,
- Encourage use of R32 gas with energy efficiency Air conditions wherever essential.

ELECTRICITY – UNDERGROUND CABLE WORKS COMPLETED





Underground Cable works and power backup

POWER / ELECTRICITY (Power back up: 24 x 7)

JSSAHE&R has created the facility of providing 24 x 7 power / electric supply either in the form of power connection through CHESCOM / TNEB and in case of failure in power supply, generators are installed in all the campuses for providing uninterrupted electric / power supply.

Campus	RR No.	Contracted Demand in MD KVA	Meter Constant	Date of Connection / Service	Generator
JSSMI Campus	HT – 166	450 KVA	2500	May 1995	2 dedicated generators of 500 KVA & 380 KVA capacity is provided with auto switch over facility
JSSCPM Campus	HT – 384	150 KVA	750	May 1995	160 KVA
JSSCPO Campus	HT - 107	150 KVA	150	May 1995	250 KVA capacity is provided

Solar Projects



At the Institution level, solar panels have been installed which has considerably brought down the power consumption by at least 50% compared to earlier years. In order to set an example, the institution shares some of the electricity generated by solar energy to the local electricity board. Proper signages have been installed advising the users to always switch off the electricity when not in use.

Most of the lights have been replaced by energy saving bulbs and LEDs to save power. Continuous monitoring and maintenance of Air Conditioning, generators and other power appliances are being carried out to ensure that no power is being wasted under any circumstances



Emergency Power Backup & Smart Micro Grids



Summary of Power Generation with the aid of Solar Panels
(Period from April 2021 to March 2022)

Medical College & Dental College

(RR NO : HT - 166 & Contract Demand 450 KVA)

1	2				3		4		5	6
Month	KEB				Solar units generated		Total= (KEB & Solar)		KEB Rate	Saving
	A	B	C	D	C	D	A	B		
	Import Units KEB	Export Units from Solar	Actual Consumption of Units (2A-2B)	Amounts	Total Units	Amounts	Units (2C+3C)	Amounts (2D+3D)		
Apr-21	93750	8550	85200	831847	69889	433312	155089	1265159	1454095	188936
May-21	48800	28900	19900	258873	61159	379186	81059	638058.8	795512	157453
Jun-21	44875	23025	21850	268972	59765	370543	81615	639515	785933	146418
Jul-21	74800	9150	65650	557914	53573	332153	119223	890066.6	1021853	131786.4
Aug-21	102625	4425	98200	926964	51496	319275	149696	1246239.2	1386527	140287.8
Sep-21	102375	2725	99650	977371	49443	306547	149093	1283917.6	1428847	144929.4
Oct-21	96250	6825	89425	880961	55077	341477	144502	1222438.4	1434430	211991.6
Nov-21	85600	4900	80700	803976	40971	254020	121671	1057996.2	1174933	116936.8
Dec-21	81925	9225	72700	737750	60812	377034	133512	1114784.4	1292585	177800.6
Jan-22	77675	11950	65725	675788	63498	393688	129223	1069475.6	1252614	183138.1
Feb-22	69675	10500	59175	617601	64668	400942	123843	1018542.6	1202475	183932.2
Mar-22	97850	6175	91675	906315	70094	434583	161769	1340897.8	1555926	215028.4
Total	976200	126350	849850	8444332	700445	4342759	1550295	12787091	14785730	1998639

JSS College of Pharmacy, Mysuru

(RR NO : HT - 384 & Contract Demand 150 KVA)

1	2				3		4		5	6
Month	KEB				Solar units generated		Total= (KEB & Solar)		KEB Rate	Saving
	A	B	C	D	A	B	A	B		
	Import Units KEB	Export Units from Solar	Actual Consumption of Units (2A-2B)	Amounts	Units	Amounts	Units (2C+3A)	Amounts (2D+3B)		
Apr-21	18547.5	10492.5	8055.00	98839	19474	120738.8	27529.0	219577.8	269713	50135
May-21	6495	11662.5	-5167.50	11845	16662	89660	11494.5	101505	129023	27518
Jun-21	5617.5	10320	-4702.50	13644	16039	87027	11336.5	100671	127124	26453
Jul-21	9862.5	5955	3907.50	40057	14470	89714	18377.5	129771	163104	33333
Aug-21	22297.5	2400	19897.50	199918	14075	87265	33972.5	287183	319605	32422
Sep-21	24352.5	2212.5	22140.00	227115	15501	96106.2	37641.0	323221.2	362845	39624
Oct-21	24052.5	3142.5	20910.00	215218	15542	96360.4	36452.0	311578.4	352354	40776
Nov-21	25680	1582.5	24097.50	243344	11183	69334.6	35280.5	312678.6	342017	29339
Dec-21	21765	3885	17880.00	189557	15723	97482.6	33603.0	287039.6	329232	42193
Jan-22	12015	8317.5	3697.50	63567	17372	107706.4	21069.5	171273.4	288959	11768 6
Feb-22	19792.50	4357.5	15435.00	167837	17991	111544.2	33426.0	279381.2	327660	48279
Mar-22	28665	2377.5	26287.50	264245	18001	111606.2	44288.5	375851.2	424157	48306
Total	219142.5	66705	152437.5	1735186	192033	1164545 .4	344470.5	2899731 .4	3435794	53606 2.59

Proper Lighting

All the institutions campus of JSSAHE&R at Mysuru and Ooty are provided with LED lightings to promote security in the campus and to increase the quality of life by

artificially extending the hours in which it is light and for the safety of hostel students.

